

May 1898.

Greenwich Observations of Comet.

411

Observations of Comet *b* 1898 (*Perrine*), made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observations were made with the Sheepshanks Equatorial, aperture 6·7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination. Magnifying power 55.

1898. Apr.	Greenwich Mean Solar Time.			Observer.	— * R.A.		Corr. for Refraction.	Log. Factor of Parallax.	☿ — * N.P.D.	Corr. for Refraction.	Log. Factor of Parallax.	No of Comps.	Apparent R.A.			Apparent N.P.D.			Comp. Star.
	d	h	m s		m s	s							h	m	s	°	'	"	
15	14	42	16	B.	— 2	46.1	— 0.01	9.6805	— 7 32.0	— 0.3	0.7780	4	23	12	56.52	48 21	20.6	a	
22	13	42	48	W.	+ 0	13.84	— 0.01	9.6625	— 4 7.4	— 0.3	0.8313	6	23	48	51.04	43 42	7.3	b	
22	14	2	44	S.	— 0	18.15	+ 0.01	9.6826	+ 5 29.1	+ 0.3	0.8110	6	23	48	57.60	43 41	34.1	c	
23	14	26	31	B.	— 0	50.54	— 0.01	9.7051	— 5 43.0	— 0.2	0.7833	3	23	54	20.68	43 5	56.0	d	
23	14	31	32	"	— 0	12.05	+ 0.01	9.7084	+ 7 42.6	+ 0.3	0.7772	3	...	...	...	...	...	e	
30	14	4	56	S.	+ 1	46.75	+ 0.01	9.7084	+ 7 1.2	+ 0.4	0.8042	8	...	...	...	...	...	f	
30	14	4	56	"	+ 1	14.77	0.00	9.7084	— 0 13.9	0.0	0.8042	8	...	...	...	...	...	g	

Notes.

The observations are corrected for refraction, but not for parallax. They are also corrected for the error of inclination of the wires and for the motion of the comet.

Apr. 15.—The comet was bright with a fairly large nucleus, and a tail over  $\frac{1}{2}^{\circ}$  in length in north preceding direction.  
Apr. 23.—The comet was still bright, but the tail was not so conspicuous as on Apr. 15.

The initials B., S., W. are those of Mr. Bryant, Mr. Showell, and Mr. Witchell respectively.

Comparison Stars.

	Star's Name.	Assumed R.A. 1898 <sup>o</sup> .			Assumed N.P.D. 1898 <sup>o</sup> .	Authority.
		h	m	s		
a	10 Andromedæ	23	15	1 <sup>o</sup> 01	48 28 50 <sup>o</sup> 2	Greenwich Ten-year Catalogue 1890 (MS.).
b	O. A. (N.), 26141	23	48	37 <sup>o</sup> 13	43 46 13 <sup>o</sup> 6	Bonn Astr. Gesell. Catalogue.
c	Lal. 46852	23	49	15 <sup>o</sup> 67	43 36 3 <sup>o</sup> 3	" "
d	O. A. (N.), 26274	23	55	11 <sup>o</sup> 15	43 11 38 <sup>o</sup> 1	" "
e	B.D. + 46 <sup>o</sup> , No. 4226	23	54	25	42 57	Bonn Observations, vol. v.
f	B.D. + 50 <sup>o</sup> , No. 106	0	30	16	39 29	" "
g	B.D. + 50 <sup>o</sup> , No. 108	0	30	50	39 35	" "

Royal Observatory, Greenwich;  
1898 May 12.